



APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.

OSP – 0112-10

Check whether application is: NEW ☒ RENEWAL ☐

1.0 Siemens Industry, Inc.
Building Technologies Division
Manufacturer
Stephen Matthew
Manufacturer's Technical Representative
8 Fernwood Road, Florham Park, NJ 07932
Mailing Address
(973) 593-2638
Telephone
stephen.matthew@siemens.com
E-mail Address

2.0 MXL Fire Protection System
Product Name
Building Fire Protection System
Product Type
MME-3 & MLE-6 enclosures with various internal components per Attachment A.
Product model No (List all unique product identification numbers and/or serial numbers)
General Description: Wall mounted microprocessor based fire protection system

3.0 Tobolski Watkins Engineering, Inc.
Applicant Company Name
Matthew J. Tobolski, Ph.D., P.E.
Contact Person
3710 Ruffin Road, San Diego, CA 92123
Mailing Address
858-381-5843
Telephone
mtobolski@tobolskiwatkins.com
E-mail Address

I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.

Signature of ApplicantPresident and CEO
Title08/27/2010
DateTobolski Watkins Engineering, Inc.
Company Name

**Registered Design Professional Preparing the Report**

4.0

Tobolski Watkins Engineering Inc.

Company Name

Matthew J. Tobolski, Ph.D., P.E.

Contact Name

C 72806

California License Number

3710 Ruffin Road, San Diego, CA 92123

Mailing Address

858-381-5843

Telephone

mtobolski@tobolskiwatkins.com

E-mail Address

California Licensed Structural Engineer Review and Acceptance of the Report

5.0

Tobolski Watkins Engineering Inc.

Company Name

Derrick A. Watkins, S.E.

Contact Name

S 5257

California License Number

3710 Ruffin Road, San Diego, CA 92123

Mailing Address

858-381-5843

Telephone

dwatkins@tobolskiwatkins.com

E-mail Address

Anchorage Pre-Approval

6.0

- ☐ Anchorage is pre-approved under OPA-
(Separate application for anchorage pre-approval is required)
- ☒ Anchorage is not Pre-approved

Certification Method

70. ☒ Testing in accordance with: ☒ ICC-ES AC-156 ☐ Other (Please Specify):

- ☐ Analysis
- ☐ Experience data
- ☐ Combination of Testing, Analysis, and/or Experience Data (Please Specify):

Testing Laboratory (if applicable)

8.0

Trentec, Inc.

Company Name

Marie Nemier

Contact Name

4600 East Tech Drive, Cincinnati, OH 45245

Mailing Address

(513) 528-7900

Telephone

mnemier@curtisswright.com

E-mail:

**Approval Parameters****9.0**Design in accordance with ASCE 7-05 Chapter 13: ☒ Yes ☐ NoDesign Basis of Equipment or Components (F_p/W_p) = **1.5g** S_{DS} (Spectral response acceleration at short period) = **2.00g** a_p (In-structure equipment or component amplification factor) = **2.5** R_p (Equipment or component response modification factor) = **6.0** I_p (Importance factor) = **1.5** z/h (Height factor ratio) = **1.0**Equipment or Component fundamental period(s) = **N/A**Building period limits (if any) = **None**Overall dimensions and weight (or range thereof) = **See Attachment, Table # 1**Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: ☐ Yes ☒ NoDesign Basis of Equipment or Components (V/W) = S_{DS} (Spectral response acceleration at short period) = S_1 (Spectral response acceleration at 1 second period) = R (Response modification coefficient) = **1.0** Ω_0 (System overstrength factor) = **1.0** C_d (Deflection amplification factor) = **1.0** I_p (Importance factor) = **1.5**

Height to Center of Gravity above base =

Equipment or Component fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: ☐ Yes ☒ No**10.0 List of attachments supporting the special seismic certification of equipment or components:**

<input checked="" type="checkbox"/> Test Report	<input type="checkbox"/> Drawings	<input checked="" type="checkbox"/> Manufacturer's Catalog
<input type="checkbox"/> Calculations	<input checked="" type="checkbox"/> Others (Please Specify): Attachment A – Product List	

11.0 OSHPD Approval (For Office Use Only)

Signature & Date

Chris Tokas, SHFR

Name & Title

9/2/2010**December 31, 2016**

Approval Expiration Date

 S_{DS} (g) = **2.0** z/h = **1.0**

Special Seismic Certification Valid Up to

Condition of Approval (if any):

TABLE 1 - Seismically Qualified Product List

Enclosures						
Model	Description					Qualification Method
	General	Width (in)	Depth (in)	Height (in)	Max Weight (lb)	
MME-3	Medium Enclosure (55 lbs)	24.125	6.14	39.125	190	Tested
MLE-6	Large Enclosure (85 lbs)	24.125	6.14	63.75	280	
Internal Components						
Model	Description					Qualification Method
ACM-1	Audio Control Module					Tested
ALD-2I	Analog Loop Driver					
ASC-1	Amplifier Supervision and Backup Card					ACM/MMM/VSM
ASC-2	Amplifier and Riser Supervisory Card					
CMI-300	CXL/MXL Interface Module					CRM-4
CRM-4	Programmable Relay Module					Tested
CSM-4	Notification Appliance Circuit Module					
CZM-4	Conventional Zone Module					
DMC-1	Digital Message Card					
MBR-3MP	Optional Cardcage Mounting Plate					ACM/MMM/VSM
MBR-MP	Module Mounting Plate					MBR-MP
MDACT	Digital Alarm Communicator Transmitter					Tested
MDB-1	BLANK METAL DOOR INSERTS					MDG-1
MDG-1	METAL LOUVER VENT DOOR INSERTS					Tested
MDL-1	Clear Lens					MDG-1
MHD-1	Upper or Middle Dead Front Panel					MHD-3
MHD-2	Lower Dead Front Panel					
MHD-3	MIDDLE, DF W/SWITCH OPENINGS					Tested
MHD-4	Middle Dead Front Plate w/ Printer Cutout					MHD-3
MHD-5	BTM. DF W/SW OPENINGS MSE-2/MBR					
MID-16	Input Driver Module					Tested
MKB-2	Main Keyboard 2 Line					
MKB-5	Main Keyboard 9 Line					MKB-2
MMB-2	MXL Main Board					MMB-3
MMB-3	Main Motherboard					Tested
MMM-1	Microphone Master Module					
MOD-16	Output Driver Module					
MOI-7	Network I/O Interface					
MOM-2	Network Option Module Card Cage					MOM-4
MOM-4	Expansion Card cage 4-Slot					Tested
MPS-12	Main Power Supply 12A					
MPS-6	Main Power Supply 6A					
NET-4	Communication Module					NET-7
NET-7	STYLE 7 Communication Module					Tested
NIM-1W	Network Interface Module					
OCC-1	Output Control Card					
PIM-1	Peripheral Interface Module					
PS-5A	Aux 5V Power Supply					
PSR-1	Power Supply Remote					
RCM-1	Audio Control Riser Module					MMB-3
REP-1	Repeater Module					Tested
TBM-2	Terminal Block Module					ACM/MMM/VSM
TMM-1	Telephone Master Module					Tested
TSP-40A	Thermal Strip Printer					
VFM-1	Fan Control Module					VSM-1 & VLM-1
VLM-1	LED Module					Tested
VSB-1	Switch Blank					VLM-1
VSM-1	Switch & LED Module					Tested
ZC1-8B	Zone Card					ACM/MMM/VSM
ZC2-4AB	Zone Card					
ZC2-8B	Zone Card					
ZC3-4AB	Zone Card					

* Indicates tested component used for interpolation of specified component

Notes:

Internal components individually weigh a maximum of 2 lbs.

A1